The RD191097200R Human Vaspin ELISA is a sandwich enzyme immunoassay for the quantitative measurement of human vaspin (visceral adipose tissue-derived serpin).

- It is intended for research use only
- The total assay time is less than 3.5 hours
- The kit measures vaspin in serum and plasma (EDTA, heparin)
- Assay format is 96 wells
- Standard is recombinant protein based
- Quality Controls are human serum based
- Components of the kit are provided ready to use, concentrated or lyophilized

Clinical application

- Metabolic syndrome
- Obesity
- Insulin resistance
Test principle

In the Biovendor Human Vaspin ELISA, standards, quality controls and samples are incubated in microtitration wells pre-coated with polyclonal anti-human vaspin antibody. After a 60 minute incubation followed by washing, biotin labelled polyclonal anti-human vaspin antibody is added and incubated with the captured vaspin for 60 minutes. After another washing, streptavidin HRP conjugate is added. After 30 minutes incubation and the last washing step, the remaining conjugate is allowed to react with the substrate solution (TMB). The reaction is stopped by addition of acidic solution and absorbance of the resulting yellow product is measured. The absorbance is proportional to the concentration of vaspin. A standard curve is constructed by plotting absorbance values against vaspin concentrations of standards, and concentrations of unknown samples are determined using this standard curve.

Summary of protocol

- Reconstitute QCs and Master Standard and prepare set of standards
- Dilute samples 3×
- Add 100 μl Standards, QCs and samples
- Incubate at RT for 1 hour/300 rpm
- Wash plate 5 times
- Add 100 μl Biotin Labelled Antibody
- Incubate at RT for 1 hour/300 rpm
- Wash plate 5 times
- Add 100 μl Streptavidin-HRP Conjugate
- Incubate at RT for 30 min/300 rpm
- Wash plate 5 times
- Add 100 μl Substrate Solution
- Incubate at RT for 10 min
- Add 100 μl Stop Solution
- Read absorbance and calculate results

Related products

- Vaspin Human E. coli RD172097100

BioVendor – Laboratorni medicina a.s.
Karasek 1767/1, 621 00 Brno, Czech Republic
Phone: +420 549 124 185, Fax: +420 549 211 460
E-mail: info@biovendor.com
www.biovendor.com

Visit www.biovendor.com to find more information about BioVendor products.